

# ANESTHESIOLOGY

## Volume 5

### INDEX TO SUBJECTS

\* Asterisk indicates titled subjects of articles

- Acacia, clinical use of, 7  
Adrenal cortical extract, effect on fluid balance, 5  
Age, effect on local anesthetic efficiency, 477  
Air, ionization of, 33\*  
Airway, during pentothal anesthesia, 457  
Alcohol, anesthetic efficiency, 472  
Amethocaine (see pontocaine)  
Ammonium salts,  
    complications after use of, 347\*  
    intraspinally, 341\*  
    therapeutic use of, 354\*  
Ampules,  
    display, 303\*  
    leaky, detection of, 300\*  
Andrews, E., early work in anesthesia, 563  
Anemia, anesthesia in presence of, 136  
Anesthesia,  
    anoxia during, 400\*  
    block,  
        caudal, low terminating dura, 412\*  
        code for classification of, 581  
        diagnostic, 574\*  
        intercostal, 500\*  
        organization of service, 574\*  
        stellate ganglion, 491\*  
        therapeutic, 574\*  
    continuous spinal, 53\*, 142\*  
        drop method, 465\*  
        ureteral catheter technic, 144\*  
    deaths, 113\*  
    department, 81\*  
    economics of, 521\*  
    for laryngeal surgery, 583\*  
    for patients in shock, 129\*  
    for thoracic surgery, 11\*  
    gastrointestinal effects of, 400\*, 597\*  
    hemoglobin during, 163\*  
    history of, 551, 615  
    in Australia, 383  
    in England, 81\*  
    in tropical climates, 380\*  
    inhalation, curare with, 166\*, 615\*  
    intratracheal,  
        bilateral nasal intubation, 186\*  
        for laryngeal surgery, 583\*  
        for thoracic surgery, 12  
        nasopharyngeal method, 392\*  
        technic, 64  
    intravenous,  
        continuous drip method, 411\*  
        kit for, 89  
        wartime use of, 517\*  
    nerve blocking service, 574  
    of chick heart, 589\*  
    planes of, 278  
    prolonged postoperative, 500\*  
    relation to origin of heart beat, 589\*  
    service, nerve blocking, 574\*  
    signs of, 278  
    spinal,  
        combined with pentothal, 458  
        continuous, 53\*, 142\*  
        continuous drip method, 465\*  
        treatment of pulmonary edema, 69\*  
        ureteral catheter technic, 144\*  
        wartime use, 519  
        with monacaine formate, 40\*  
        with sulfonamide therapy, 605\*  
    statistics, analysis of, 274\*  
    theory of, 274, 589  
    therapeutic use of, 69\*, 574\*  
    topical,  
        before intubation, 65  
        on wounds, 568  
        wartime, 294\*, 517\*  
        respiratory sequelae, 383\*  
Anesthesiologist, sociologic obligations of, 192\*  
Anesthesiology, education in, 441\*  
Anesthetics,  
    effect on colon, 404, 597\*  
    in oil, intercostal block with, 501  
    local, 53  
        evaluation of, 470\*  
        sulfonamide antagonism, 605\*  
        toxicity, 609  
    long-acting, block with, 500\*  
    volatile, irritative action, 291\*  
Anoxia, 77  
    during pentothal anesthesia, 450  
    during thoracic surgery, 18  
    gastrointestinal effects, 400\*  
    in shock, 135  
Apparatus,  
    anesthetic,  
        improvised, 414  
        to prevent gas mix-up, 526

# ANESTHESIOLOGY

## Volume 5

### INDEX TO SUBJECTS

\* Asterisk indicates titled subjects of articles

- Acacia, clinical use of, 7  
Adrenal cortical extract, effect on fluid balance, 5  
Age, effect on local anesthetic efficiency, 477  
Air, ionization of, 33\*  
Airway, during pentothal anesthesia, 457  
Alcohol, anesthetic efficiency, 472  
Amethocaine (see pontocaine)  
Ammonium salts,  
    complications after use of, 347\*  
    intraspinally, 341\*  
    therapeutic use of, 354\*  
Ampules,  
    display, 303\*  
    leaky, detection of, 300\*  
Andrews, E., early work in anesthesia, 563  
Anemia, anesthesia in presence of, 136  
Anesthesia,  
    anoxia during, 400\*  
    block,  
        caudal, low terminating dura, 412\*  
        code for classification of, 581  
        diagnostic, 574\*  
        intercostal, 500\*  
        organization of service, 574\*  
        stellate ganglion, 491\*  
        therapeutic, 574\*  
    continuous spinal, 53\*, 142\*  
        drop method, 465\*  
        ureteral catheter technic, 144\*  
    deaths, 113\*  
    department, 81\*  
    economics of, 521\*  
    for laryngeal surgery, 583\*  
    for patients in shock, 129\*  
    for thoracic surgery, 11\*  
    gastrointestinal effects of, 400\*, 597\*  
    hemoglobin during, 163\*  
    history of, 551, 615  
    in Australia, 383  
    in England, 81\*  
    in tropical climates, 380\*  
    inhalation, curare with, 166\*, 615\*  
    intratracheal,  
        bilateral nasal intubation, 186\*  
        for laryngeal surgery, 583\*  
        for thoracic surgery, 12  
        nasopharyngeal method, 392\*  
        technic, 64  
    intravenous,  
        continuous drip method, 411\*  
        kit for, 89  
        wartime use of, 517\*  
    nerve blocking service, 574  
    of chick heart, 589\*  
    planes of, 278  
    prolonged postoperative, 500\*  
    relation to origin of heart beat, 589\*  
    service, nerve blocking, 574\*  
    signs of, 278  
    spinal,  
        combined with pentothal, 458  
        continuous, 53\*, 142\*  
        continuous drip method, 465\*  
        treatment of pulmonary edema, 69\*  
        ureteral catheter technic, 144\*  
        wartime use, 519  
        with monocaine formate, 40\*  
        with sulfonamide therapy, 605\*  
    statistics, analysis of, 274\*  
    theory of, 274, 589  
    therapeutic use of, 69\*, 574\*  
    topical,  
        before intubation, 65  
        on wounds, 568  
        wartime, 294\*, 517\*  
        respiratory sequelae, 383\*  
Anesthesiologist, sociologic obligations of, 192\*  
Anesthesiology, education in, 441\*  
Anesthetics,  
    effect on colon, 404, 597\*  
    in oil, intercostal block with, 501  
    local, 53  
        evaluation of, 470\*  
        sulfonamide antagonism, 605\*  
        toxicity, 609  
    long-acting, block with, 500\*  
    volatile, irritative action, 291\*  
Anoxia, 77  
    during pentothal anesthesia, 450  
    during thoracic surgery, 18  
    gastrointestinal effects, 400\*  
    in shock, 135  
Apparatus,  
    anesthetic,  
        improvised, 414  
        to prevent gas mix-up, 526

- ampule holder, 303\*
- arm rest, 88\*
- bilateral nasal intubation, 186
- continuous spinal anesthesia, 55
- emergency cart, 195\*
- ether administration, 380
- intratracheal tube cuffs, 526\*
- intravenous anesthesia, 461
  - continuous drip method, 411\*
  - kit, 89\*
- laryngoscope, 61\*, 88
- nerve blocking service, 578
- spinal anesthesia,
  - continuous drip method, 465
  - directional needle, 413\*
- Ascitic fluid, intravenously, 8
- Atelectasis,
  - during anesthesia, 174\*
  - relation of negative pressure to, 225\*
- Barbital sodium, effect on gastro-intestinal tract, 597
- Barbiturates,
  - cross tolerance to, 329\*
  - effect on colon, 404, 597\*
  - premedication with, 370\*
  - tolerance to, 329\*
- Benzocaine, anesthetic efficiency, 472
- Bert, Paul, early work in anesthesia, 564
- Bladder, effect of prostigmine, 511
- Bleeding, effect of age, 479
- Blood,
  - cadaver, 8
  - cells, dressings with, 566\*
  - erythrocytes,
    - survival, 237\*
    - transfusion of, 566\*
  - placental, 8
  - plasma, 8
    - transfusion, 22\*
    - volume, 2
  - preserved, cell survival in, 237\*
  - proteins, 3
  - Rh factor, 254\*
  - transfusion, 8, 22\*
    - cell survival after, 237\*
    - contraindications, 29
    - indications, 28
    - reaction, 29
- Blood pressure,
  - during spinal anesthesia, 58, 146
  - effect of carbon dioxide, 45
  - effect of vinbarbital sodium, 374
  - effect on local anesthetic efficiency, 482
  - in shock, 130
  - method of determining, 196\*
- Bone marrow, transfusion into, 25
- Bovine plasma, 7
- Bronchoscopy, after thoracic surgery, 17
- Canisters, effect on carbon dioxide absorption, 48
- Carbon dioxide,
  - anesthetic action, 591
  - effect on cell survival, 241
  - effect on chick heart, 590
  - postoperatively, 390
- Carbon dioxide absorption, indicator soda lime, 45\*
- Children, premedication for, 378
- Chloroform, effect on colon, 598
- Chlorophyll, healing property, 572
- Choline, effect on morphine action, 508
- Choline esterase, effect of morphine on, 509
- Ciliary action, relation to atelectasis, 225\*
- Clayton yellow, in soda lime, 46
- Clover inhaler, 562
- Cocaine, anesthetic efficiency, 472
- Colon,
  - effect of anesthetics, 404, 597\*
  - effect of anoxia, 404
- Colton, G. Q., early work in anesthesia, 556
- Complications,
  - after ammonium sulfate injection, 347\*
  - after thoracic surgery, prevention, 11\*
  - during anesthesia, 174\*
  - embolism, 300\*
  - gastrointestinal, effect of anesthetics, 603
  - respiratory,
    - in military practice, 383\*
    - postoperative anesthesia in prevention, 500
- Corona discharge, ionization by, 35
- Coughing, during thoracic surgery, 15
- Cross tolerance to barbiturates, 329\*
- Cuffs, for intratracheal tubes, 526\*
- Curare, 166\*
  - with nitrous oxide-oxygen anesthesia, 618\*
- Cyanosis, 136
- Cylinders, prevention of mix-ups, 526\*
- Cyclopropane,
  - effect on colon, 598
  - for patients with recent hemorrhage, 149\*
- Cyclopropyl ethyl oxide, (see, ether, cypreth)
- Cyclopropyl vinyl oxide, (see, ether cyprethylene)
- Cyclopropyl methyl oxide, (see, ether, cyprome)
- Davy, Humphry, early work with anesthetics, 552
- Deaths, in operating room, 113\*
- Dextrose, effect on cell survival, 237
- Dextrose, solutions, uses, 6
- Diet, effect on dose of paraldehyde, 287\*
- Diffusion respiration, 262\*
- Disease, effect on action of local anesthetics, 480
- Distention, abdominal, effect of anesthetics, 603
- Dura, low terminating, 412\*
- Dyes, in soda lime, 46
- Economics, relation of anesthesia, 521\*
- Education, undergraduate, relation of anesthesia, 441\*
- Electrolytes, 2
- Embolism, during anesthesia, 300\*

- Epinephrine, effect on morphine analgesia, 512  
 Eserine, effect on action of morphine, 508  
 Ether,  
   cypreth, irritative action, 292  
   cyprethylene, 159  
     irritative action, 292  
   cyprome, irritative action, 292  
   diethyl,  
     administration in tropics, 380\*  
     effect on colon, 598  
     effect on hemoglobin, 163  
     for patients in shock, 137  
     irritative action, 292  
     mode of action, 274  
   divinyl,  
     effect on colon, 598  
     irritative action, 292  
   propethylene, 159\*  
     irritative action, 292  
     physical properties, 495\*  
 Ethyl bromide, effect on colon, 598  
 Ethyl chloride, effect on colon, 598  
 Ethyl violet, in soda lime, 46  
 Evipal sodium, tolerance to, 330  
 Explosion hazard, dispersion of static electricity, 33\*
- Flame, ionization of air by, 34  
 Fluids,  
   body,  
     balance, 1  
     methods of loss, 4  
     digestive, amounts of, 4  
     interstitial, volume, 2  
     intracellular, volume, 2  
     intravenously,  
       during spinal anesthesia, 58  
       in shock, 132  
     parenteral, 1\*  
       amounts, 26  
       routes of administration, 8
- Gas pains, effect of anesthetics, 603  
 Gastrointestinal tract, effect of anesthetics, 400\*, 597\*  
 Glutathione, healing effect, 572  
 Grenz rays, for ionization of air, 36  
 Gwathmey memorial, 296\*
- Heart,  
   beat, origin of, 589\*  
   during, cyclopropane anesthesia, 157  
   effect of pentothal sodium 453  
 Heat, external, effect on complications, 389  
 Hematocrit, after hemorrhage, 156  
 Hemoconcentration, 131  
   mechanism of, 4  
 Hemoglobin,  
   crystalline, uses, 8  
   during anesthesia, 163\*  
   healing property, 573  
 Hemorrhage, use of cyclopropane after, 149\*
- Hickman, Henry Hill, early work in anesthesia, 554  
 Human plasma, concentrated, uses, 7  
 Human serum albumin, uses, 7  
 Hydrogen, effect on chick heart, 594  
 Hypoxic states, analytical study, 360\*
- Indicators, in soda lime, 45\*  
 Inhalation therapy, statistical study, 359\*  
 Intestine,  
   effect of anesthetics, 597\*  
   effect of anoxia, 400  
   effect of morphine, 508  
 Intracaine, toxicity, 609  
 Intubation, "blind" technic, 392\*  
 Ion generators, for dispersion of static electricity, 35  
 Ionization of air, 33\*  
 Isinglass, intravenously, 7  
 Isopropenyl vinyl ether, (see ether, propethylene)
- Laryngoscope,  
   Macintosh blade for, 88  
   modifications of, 61\*  
 Laryngoscopy, 61\*  
 Laryngospasm, 17  
   during pentothal anesthesia, 457  
 Larynx, operations on, anesthesia for, 583\*  
 Liver, effect of pentothal sodium, 450
- Mediastinum, after thoracic surgery, 19  
 Metycaine,  
   effect with sulfonamides, 605  
   sterilizing effect, 608  
   topical application, 568  
 Monocaine formate, spinal anesthesia with, 40\*  
 Morphine sulfate,  
   delayed poisoning, 273\*  
   with prostigmine, 508\*  
 Mucous membranes, effect of anesthetics, 291\*  
 Mucus, relation to atelectasis, 228
- Nasotracheal intubation, 186\*  
 Negative pressure, relation to atelectasis, 225\*  
 Nitrous oxide,  
   centennial, 551\*  
   effect on chick heart, 594  
   effect on colon, 598  
   effect on hemoglobin, 165  
   for patients in shock, 134  
   with curare, 618\*
- Nostal, tolerance to, 334  
 Novest-oil, for intercostal block, 501
- Obstetrics, morphine-prostigmine in, 511  
 Operation, relation to respiratory sequelae, 385  
 Organization, nerve blocking service, 574\*  
 Oxford inflator, 83  
 Oxygen,  
   early use with anesthetics, 563  
   effect on fluid balance, 5  
   in shock, 133

- PABA, effect on action of sulfonamides, 605
- Pain,  
   intractable, treatment with ammonium salts, 341\*, 347\*  
   postoperative, relief of, 500\*  
   threshold, effect of prostigmine, 512
- Paint, radioactive, for dispersion of static electricity, 36
- P-*amino benzoic acid*, effect on action of sulfonamides, 605
- Paraldehyde, 182\*, 287\*
- Pectin, intravenously, 7
- Pentothal sodium, 448\*  
   combined with spinal anesthesia, 458  
   continuous drip administration of, 259  
   contraindications to use of, 449  
   diffusion respiration from, 262\*  
   effect on hemoglobin, 163  
   for patients in shock, 139  
   for war casualties, 517\*  
   old solutions of, 87\*  
   slough, 456  
   sterility of, 87  
   tolerance to, 331
- Phenol, anesthetic efficiency, 472
- Physiology,  
   fluid balance, 1  
   respiratory, 77\*
- Pitcher plant, 341
- Plasma, (see blood)
- Pneumothorax, dangers, 20
- Pontocaine, 82
- Position,  
   for intubation, 67  
   for thoracic operations, 12
- Postoperative care, 390
- Premedication,  
   before injection of ammonium salts, 342  
   before thoracic surgery, 13  
   effect on complications, 389  
   effect on hemoglobin, 165  
   with vinbarbital sodium, 370\*
- Priestley, Joseph, early work with anesthetics, 551
- Procaine hydrochloride,  
   anesthetic efficiency, 472  
   sulfonamide antagonism, 605\*  
   treatment of pulmonary edema, 70  
   with ammonium salts, complications, 347\*
- Propenyl ethyl oxide, 292
- Propethylene, (see ether, propethylene)
- Prostigmine, morphine synergism, 508\*
- Proteins, blood, 3
- "Puckapunyal" throat, 384
- Pulmonary edema, spinal anesthesia treatment of, 69\*
- Pulse,  
   during pentothal anesthesia, 453  
   effect of vinbarbital sodium, 375  
   effect on action of local anesthetics, 485
- Radium, for ionization of air, 37
- Records,  
   analysis of, 274\*  
   inhalation therapy, 359\*  
   nerve blocking service, 578
- Reflexes,  
   hilar, 12  
   throat, control of, 67
- Respiration,  
   diffusion, 262\*  
   during pentothal anesthesia, 456  
   effect of vinbarbital sodium, 375  
   physiology of, 77\*
- Respiratory tract, 225\*
- Resuscitation, after shock, 132
- Rh factor, 254\*
- Ringer's lactate solution, uses, 6
- Risk, estimation of, 131
- Salt solution, anesthetic efficiency, 472
- Sarracenia purpurea, 341
- Scopolamine, effect on morphine analgesia, 512
- Shock,  
   anesthesia in presence of, 129\*  
   blood changes during, 4  
   hemorrhagic, cyclopropane anesthesia after, 149\*  
   pentothal anesthesia during, 517\*
- Soda lime, indicator, 45\*
- Sodium amytal, effect on gastrointestinal tract, 597
- Sodium bicarbonate solution, intravenously, 6
- Sodium chloride solutions, intravenously, 6
- Sodium citrate, effect on cell survival, 239
- Sodium 5 ethyl-5 (1-methyl-1 butenyl) barbiturate, (see vinbarbital sodium)
- Sodium lactate solution, 6
- Spinal cord level syndrome, 347\*
- Spleen, effect of anesthesia, 163
- Static electricity, dispersion of, 33\*
- Stellate ganglion, block of, 491\*
- Stomach, effect of anoxia, 400
- Sulfhydryl, healing property, 572
- Sulfonamides,  
   procaine antagonism, 605\*  
   spinal anesthesia after use of, 606
- Technics,  
   anesthesia for laryngeal operations, 585  
   bilateral nasotracheal intubation, 186\*  
   blind intubation, 392\*  
   continuous spinal anesthesia, 55, 142\*  
   drip method, 465  
   injection of ammonium salts, 343  
   laryngoscopy, 61\*  
   stellate ganglion block, 491\*
- Thoracic operations, prevention of complications, 11\*
- Throat,  
   infection, in military practice, 384  
   reflexes, control, 67
- Tracheobronchial suction, 177

Tropics, anesthesia in, 380\*  
Twitching, during pentothal anesthesia, 455

Ulcers, treatment with blood cells, 566\*  
Ultra-violet light, ionization of air by, 35  
URTI, relation to anesthesia, 384

Veins, selection for transfusion, 25  
Venipuncture, retrograde, 195\*  
Vinbarbital sodium, preanesthetic use, 370\*

Vinethene, (see ether, divinyl)  
Vitamins, effect on fluid balance, 5

Wartime, anesthesia during, 294\*, 383\*, 517\*  
Water's balloon, 67  
Wells, Horace, early work with anesthetics, 551, 615  
Wounds, healing with blood cells, 566\*  
X-rays, for ionization of air, 36

## INDEX OF AUTHORS AND TITLES OF ORIGINAL ARTICLES

	PAGE		PAGE
Adams, R. C.:		Cassels, W. H.:	
Stimulation of wound healing: a new use		Atelectasis during anesthesia.....	174
for powdered blood cells.....	566	Endotracheal anesthesia for external	
Transfusions of blood and plasma.....	22	laryngeal surgery.....	583
Adriani, John:		Collins, C. C.:	
Soda lime containing indicators.....	45	The Rh factor.....	254
Allen, R. B.:		Cullen, S. C.:	
Undergraduate medical education and		Clinical and laboratory observations on	
anesthesiology.....	441	the use of curare during inhalation anes-	
Apgar, Virginia:		thesia.....	166
Spinal anesthesia with monocaine form-			
ate: results in 2,230 cases.....	40	Davis, E. H.:	
Arrowood, Julia G.:		Anesthesia. XII. Studies with isopro-	
A continuous drop method for subarach-		penyl vinyl ether (Propethylene ether)	
noid analgesia: preliminary report.....	465	in man.....	159
		Denstedt, O. F.:	
Bates, William:		The survival of preserved red cells after	
Intraspinal ammonium salts for the in-		transfusion.....	237
tractable pain of malignancy.....	341	Draper, W. B.:	
Belinkoff, Stanton:		Diffusion respiration in the dog anes-	
Intercostal block with long-acting anes-		thetized by pentothal sodium.....	262
thetic in upper abdominal operations....	500		
Bishop, Kingsley:		Editorial.....	294
Intraspinal ammonium salts for the in-		Editorial.....	407
tractable pain of malignancy.....	341	Editorial:	
Bradasch, G. A.:		Economics and anesthesia.....	521
Comparative value of various parenteral		Editorial:	
fluids.....	1	Horace Wells Centenary.....	615
		Editorial:	
Carmichael, E. B.:		Sociologic obligations of the anesthesiol-	
Studies on paraldehyde. I. The median		ogist.....	192
lethal dose, LD <sub>50</sub> , of paraldehyde for		Editorial:	
guinea pigs.....	182	The revolution in respiratory physiology	77
Studies on paraldehyde. II. The median		Elder, C. K.:	
lethal dose, LD <sub>50</sub> , of paraldehyde		Naso-endotracheal intubation; advan-	
for both young and old rats on two		tages and technic of "blind intubation".	392
dietary regimes.....	287	Evans, W. E., Jr.:	
Carr, C. J.:		Anesthesia. X. The irritative action of	
Anesthesia. X. The irritative action of		volatile anesthetics on the mucous mem-	
volatile anesthetics on the mucous mem-		branes and the relationship between po-	
branes and the relationship between po-		tency and chemical constitution.....	291
tency and chemical constitution.....	291		
Anesthesia. XIV. A study of certain		Farr, H. W.:	
physical properties of isopropenyl vinyl		Spinal anesthesia in the therapy of pul-	
ether.....	495	monary edema: a preliminary report....	69



- Finvoid, R.:  
Ionization of the air: a method for the dispersion of charges of static electricity. 33
- Foldes, F. F.:  
A continuous drop method for subarachnoid analgesia: preliminary report. 465
- Foregger, Richard:  
Gwathmey. 296
- Foregger, Richard, Jr.:  
A report from England; the Nuffield department of anaesthetics. 81
- Gillespie, N. A.:  
Deaths in the operating room. 113
- Gillespie, Noel:  
Inhalation therapy; a method for the collection and analysis of statistics. 359
- Gordon, R. A.:  
Bilateral nasotracheal intubation for closed system anaesthesia. 186
- Gould, R. B.:  
Anaesthesia for the patient in shock. 129
- Grant, C. W.:  
The procaine-sulfonamide antagonism; an evaluation of local anesthetics for use with sulfonamide therapy. 605
- Green, M. W.:  
Studies on barbiturates. XXVII. Tolerance and cross tolerance to barbiturates. 329
- Guttman, S. A.:  
Spinal cord level syndrome following intrathecal ammonium sulfate and procaine hydrochloride. A case report with autopsy findings. 347
- Hale, D. E.:  
Continuous spinal anesthesia. 53
- Hand, L. V.:  
Subarachnoid ammonium sulfate therapy for intractable pain. 354
- Heard, K. M.:  
The benefits and hazards of pentothal anesthesia. 448
- Hershey, S. G.:  
Therapeutic and diagnostic nerve blocking: a plan for organization. 574  
The value of cyclopropane in the anesthetic management of patients with recent severe hemorrhage. 149
- Hickcox, C. B.:  
Editorial: Horace Wells centenary. 615
- Hilding, A. C.:  
Production of negative pressure in the respiratory tract by ciliary action and its relation to postoperative atelectasis. 225
- Holinger, P. H.:  
Endotracheal anesthesia for external laryngeal surgery. 583
- Judovich, B. D.:  
Intraspinal ammonium salts for the intractable pain of malignancy. 341
- Kay, F. A.:  
Studies on paraldehyde. I. The median lethal dose, LD<sub>50</sub>, of paraldehyde for guinea pigs. 182  
Studies on paraldehyde. II. The median lethal dose, LD<sub>50</sub>, of paraldehyde for both young and old rats on two dietary regimes. 287
- Kaye, Geoffrey:  
Respiratory sequelae of anaesthesia in military practice. 383
- Kibler, Dorothy:  
Anesthesia. XIV. A study of certain physical properties of isopropenyl vinyl ether. 495
- Koppanyi, T.:  
Studies on barbiturates. XXVII. Tolerance and cross tolerance to barbiturates. 329
- Krantz, J. C., Jr.:  
Anesthesia. X. The irritative action of volatile anesthetics on the mucous membranes and the relationship between potency and chemical constitution. 291  
Anesthesia. XII. Studies with isopropenyl vinyl ether (propethylene ether) in man. 159  
Anesthesia. XIV. A study of certain physical properties of isopropenyl vinyl ether. 495
- Lieberman, S. L.:  
Experiences with pentothal sodium anesthesia in war casualties. 517
- Lorhan, P. H.:  
The clinical use of (sodium 5 ethyl-5 (1-methyl-1 butenyl) barbiturate) vinylbarbital sodium as a preanesthetic agent. 370
- Lundy, J. S.:  
Changes of concentration of hemoglobin during anesthesia in man and in animals. 163  
Effective administration of ether in the tropics. 380  
Stimulation of wound healing: a new use for powdered blood cells. 566  
Transfusions of blood and plasma. 22
- Maier, H. C.:  
Responsibility of the anesthetist in reducing the operative complications of thoracic surgery. 11
- Nicholson, M. J.:  
The Rh factor. 254
- Northup, D. W.:  
A comparative study of the action of various anesthetic agents on the muscles of the colon in the dog. 597

- Osborne, Dorothy E.:  
The survival of preserved red cells after transfusion..... 237
- Pardee, Irving:  
Spinal cord level syndrome following intrathecal ammonium sulfate and procaine hydrochloride. A case report with autopsy findings..... 347
- Pender, J. W.:  
Changes of concentration of hemoglobin during anesthesia in man and in animals. 163
- Pfeiffer, C. C.:  
The procaine-sulfonamide antagonism; an evaluation of local anesthetics for use with sulfonamide therapy..... 605
- Phillips, G. W.:  
Studies on paraldehyde. I. The median lethal dose, LD<sub>50</sub>, of paraldehyde for guinea pigs..... 182  
Studies on paraldehyde. II. The median lethal dose, LD<sub>50</sub>, of paraldehyde for both young and old rats on two dietary regimes..... 287
- Rapoport, Anita E.:  
Atelectasis during anesthesia..... 174
- Risteen, W. A.:  
Stellate ganglion block: a definite anterolateral approach..... 491
- Rochlin, I.:  
The survival of preserved red cells after transfusion..... 237
- Ross, M. H.:  
The anesthesia of excised chick hearts and its relation to the myogenic and neurogenic origin of the heart beat.... 589
- Rovenstine, E. A.:  
Inhalation therapy; a method for the collection and analysis of statistics.... 359  
Spinal anesthesia with monacaine formate: results in 2,230 cases..... 40  
Therapeutic and diagnostic nerve blocking: a plan for organization..... 574  
The value of cyclopropane in the anesthetic management of patients with recent severe hemorrhage..... 149
- Saklad, Meyer:  
Inhalation therapy; a method for the collection and analysis of statistics.... 359
- Sarnoff, S. J.:  
Spinal anesthesia in the therapy of pulmonary edema: a preliminary report... 69
- Saunders, P.:  
An analysis of inhalation anesthesia by graphic means..... 274
- Schmidt, C. F.:  
Editorial: The revolution in respiratory physiology..... 77
- Seifriz, William:  
The anesthesia of excised chick hearts and its relation to the myogenic and neurogenic origin of the heart beat.... 589
- Seldon, T. H.:  
Stimulation of wound healing: a new use for powdered blood cells..... 566  
Transfusions of blood and plasma..... 22
- Shaar, C. M.:  
Continuous spinal anesthesia..... 53
- Slaughter, Donald:  
New concepts of morphine analgesia... 508
- Slocum, H. C.:  
Ionization of the air: a method for the dispersion of charges of static electricity. 33
- Stansfield, H.:  
The survival of preserved red cells after transfusion..... 237
- Stickney, J. C.:  
A comparative study of the action of various anesthetic agents on the muscles of the colon in the dog..... 597
- Storni, M. P. C.:  
Effective administration of ether in the tropics..... 380
- Tainter, M. L.:  
Some general considerations in evaluating local anesthetic solutions in patients. 470
- Tuohy, E. B.:  
Continuous spinal anesthesia: its usefulness and technic involved..... 142
- Van Liere, E. J.:  
A comparative study of the action of various anesthetic agents on the muscles of the colon in the dog..... 597  
The role of anoxia in gastrointestinal effects of anesthesia..... 400
- Volpitta, P. P.:  
Stellate ganglion block: a definite anterolateral approach..... 491
- Waters, R. M.:  
Deaths in the operating room..... 113  
Nitrous oxide centennial..... 551
- Whitacre, R. J.:  
Editorial: Economics and anesthesia... 521
- Whitehead, R. W.:  
Diffusion respiration in the dog anesthetized by pentothal sodium..... 262
- Wiggin, S. C.:  
A new modification of the conventional laryngoscope and technic for laryngoscopy..... 61
- Winter, Leo:  
Some general considerations in evaluating local anesthetic solutions in patients. 470



# INDEX OF AUTHORS AND TITLES OF ABSTRACTS

	PAGE		PAGE
Adams, W. E. and Thornton, T. F.:		Browne, G. F.:	
The use of plasma for filling the pleural		General anesthesia for total laryngec-	
space after loss of varying amounts of		tomy.....	640
lung.....	620		
Adler, Harry:		Carangelo, John:	
A study of the headaches following diag-		Continuous caudal analgesia in ob-	
nostic spinal taps.....	200	stetrics.....	432
Alesbury, J. M.:		Card, W. I., Griffiths, W. J. and Mc-	
Obstetric deaths in 1942 (Philadelphia)		Swiney, B. A.:	
resulting from operative delivery other		Apparatus for administering oxygen....	540
than cesarean section.....	547	Chaikoff, J. S.:	
Allen, F. M.:		Our experience with the Hingson-Ed-	
Theory and therapy of shock: Excessive		wards technique of continuous caudal	
fluid administration.....	207	analgesia.....	432
Anonymous:		Chapman, W. P., Arrowood, Julia G. and	
Local anesthesia treatment of sprains..	534	Beecher, H. K.:	
Archer, W. H.:		The analgetic effects of low concentra-	
General anesthesia under war conditions	109	tions of nitrous oxide compared in man	
Arrowood, J. G.:		with morphine sulphate.....	419
General anesthesia in dentistry and oral		Clagett, O. T.:	
surgery.....	321	Surgical treatment of the aged.....	92
Ayre, Philip:		Clendon, Douglas and Krauss, Stephen:	
Anaesthesia for neurosurgery (With spe-		Chloralhydrate as a premedication for	
cial reference to trichlorethylene).....	324	anaesthesia.....	312
The anaesthetic record.....	320	Corcoran, A. C. and Page, I. H.:	
		Effects of anesthetic dosage of pento-	
Bailey, C. C. and Betts, R. H.:		barbital sodium on renal function and	
Cardiac arrhythmias following pneu-		blood pressure in dogs.....	421
monectomy.....	206	Cory, R. A. S.:	
Bailey, Hamilton:		Thoracoscopic removal from the chest of	
Bone marrow as a site for the reception		of a broken anesthetic needle: case report..	422
of infusions, transfusions, and anaes-		Cowan, Ellen B.:	
thetic agents: a review of the present		Spinal anaesthesia in cases of delivery by	
position.....	545	the obstetric forceps.....	435
Battaglia, D. and Winne, B. A.:		Cullen, S. C.:	
Pentothal sodium anesthesia in major		Anesthesia in otolaryngology.....	638
surgery.....	631	Currens, J. H., White, P. D. and Churchill,	
Bennett, J. H.:		E. D.:	
Trichlorethylene in dental anesthesia...	638	Cardiac arrhythmias following thoracic	
Betcher, A. M.:		surgery.....	207
Pentothal sodium: a survey of its field of			
usefulness in a military hospital.....	307	Dale, H. W. L.:	
Bishop, H. F.:		Regional anesthesia for surgery of the	
Continuous caudal anesthesia.....	431	nose and sinuses.....	637
Block, Nathan:		Daley, Raymond:	
Further studies with continuous drip		Site of embolus after spinal anaesthetic..	105
caudal anesthesia.....	625	Daly, H. J.:	
Bray, Lorna:		Magill tubes: a warning.....	93
Intravenous anaesthesia.....	538	Davis, M. B.:	
Brooks, A. M.:		Convulsions under ether anesthesia....	319
Use of fractional spinal anesthesia at a		Diddle, A. W. and Hill, A. M.:	
mobile hospital.....	631	Pulmonary embolism during continuous	
Brown, A. E.:		caudal anesthesia: report of a maternal	
The use of spinal anaesthesia in general		death.....	306
surgical practice.....	434		

- Durrans, S. F.:  
Delayed recovery from trilene anaesthesia..... 100
- Editorial:  
Effect of anaesthetics on gastric tone and motility..... 542
- Editorial:  
Local anaesthesia treatment of sprains... 323
- Eisenhart, C., Simpson, R. A. and Gillespie, N. A.:  
Ether versus cyclopropane (A statistical comparison of circulatory complications after abdominal operations)..... 315
- Elam, John:  
The need for an accurate understanding of anaesthetic risks..... 323
- Elder, C. K. and Harrison, E. M.:  
Pentothal sodium slough: prevention by procaine hydrochloride..... 622
- Epstein, H. G.:  
Removal of ether vapour during anaesthesia..... 540
- Etherington-Wilson, W.:  
Specific gravity of the cerebrospinal fluid with special reference to spinal anaesthesia..... 106
- Etsten, Benjamin:  
Anaesthesia for thoracic surgery..... 309
- Evans, D. S. and Mendelsohn, K.:  
A new instrument for visual determination of blood-pressure. Part I. Physical considerations..... 110
- Evans, Frankis:  
Continuous intravenous adrenaline in spinal anaesthesia; for the control of blood-pressure..... 539
- Eve, F. C.:  
Resuscitation of the drowned today.... 549
- Forbes, J. C. and Evans, E. I.:  
Protective action of sulfanilamide against hepatic damage from chloroform inhalation..... 313
- Fred, G. B.:  
Extranasal block anaesthesia for submucous resection of the nasal septum... 637
- French, E. A.:  
Pentothal sodium oxygen anaesthesia in major surgery..... 99
- Gallen, Bedelia and Prescott, Frederick:  
Pethidine as an obstetric analgesic: a report on 150 cases..... 541
- Galley, A. H.:  
The King's College Hospital endotracheal harness..... 542  
Trichlorethylene anaesthesia by the single-dose method..... 101
- Gardner, H. B.:  
The use and abuse of barbiturates.... 544
- Gillespie, N. A.:  
Death during anaesthesia..... 323
- Gillies, John:  
The time factor in surgical operations.. 96
- Goldman, Benjamin:  
An accessory operating table for oral surgery on infants and children..... 550
- Goldschmidt, Margot W.:  
Two complications with trichlorethylene anaesthesia..... 319
- Gould, R. B.:  
Anaesthesia for the badly wounded... 106
- Graves, J. R.:  
Preliminary study in the use of continuous caudal anaesthesia..... 101
- Gready, T. G., Jr.:  
Some complications of caudal anaesthesia and their management..... 304
- Green, H. D., Nickerson, N. D., Lewis, R. N. and Brofman, B. L.:  
Consecutive changes in cutaneous blood flow, temperature, metabolism and hematocrit readings during prolonged anaesthesia with morphine and barbitol.... 420
- Green, M. W., Veitch, F. P. and Koppanyi, Theodore:  
Studies on the barbiturates. XXVI. The use of Lloyd's reagent in the quantitative estimation of barbiturates in the urine..... 415
- Greene, B. A.:  
Prolonged intravenous pentothal sodium anaesthesia especially with reference to its application to military surgery..... 633
- Griffith, H. R.:  
The use of curare in anaesthesia and for other clinical purposes..... 417
- Gross, E. G. and Cullen, S. C.:  
The effects of anesthetic agents on muscular contraction..... 95
- Gundersen, Trygve and Liebman, S. D.:  
Effect of local anesthetics on regeneration of corneal epithelium..... 419
- Guttman, S. A.:  
Demerol: caution in administration to patients with intracranial lesions..... 422
- H.P.R.:  
Caudal analgesia publicity..... 209
- Hallendorf, L. C. and Winnett, E. B.:  
Shockless surgery with refrigeration anaesthesia..... 439
- Henderson, Yandell:  
Tonus and the venopressor mechanism: the clinical physiology of a major mode of death..... 220
- Herbert, W. E.:  
Acrylic resin restorations and ether anaesthesia..... 417

- Hershey, S. G. and Apogi, Evelyn:  
The anesthetic management of aged patients with fractured neck of the femur. . . 415
- Hewer, C. L.:  
Further observations on trichlorethylene 101
- Hill, J. M. and Muirhead, E. E.:  
Intravenous human plasma and serum therapy: the cause of reactions with particular reference to the use of concentrated plasma and serum. . . 205
- Himmelsbach, C. K.:  
Further studies of the addiction liability of demerol (1-methyl-4-phenyl-piperidine-4-carboxylic acid ethyl ester hydrochloride). . . 313
- Hinchley, P. R.:  
Refrigeration in surgery of the extremities. . . 529
- Hingson, R. A. and Edwards, W. B.:  
Continuous caudal analgesia: a step forward in the conquest of the pain of childbirth. . . 432  
Continuous caudal analgesia: an analysis of the first ten thousand confinements thus managed with the report of the authors' first thousand cases. . . 221
- Hingson, R. A., Ferguson, C. H. and Palmer, L. A.:  
Advances in spinal anesthesia. . . 435
- Hodges, W. R.:  
Continuous caudal analgesia in obstetrics: three hundred cases. . . 628
- Hunter, A. R.:  
The rectal administration of pentothal sodium. . . 307
- Hutton, J. H.:  
Spinal anesthetic agents and methods usually employed at the University of Oregon School Hospitals. . . 630
- Iglauer, Samuel:  
Bronchoscopy as a diagnostic and therapeutic procedure. . . 318
- Iliff, Alberta, Kinsman, Gladys M., Hill, R. M. and Lewis, R. C.:  
A simple method for the approximate analysis of carbon dioxide and oxygen in gas samples. . . 94
- Jenkins, H. R., Schafer, P. W. and Owens, F. M., Jr.:  
Guide to replacement therapy for loss of blood or plasma. . . 204
- Joseph, Morris:  
Twenty-five years of spinal anesthesia (with a report of 1020 consecutive cases) 436
- Kamman, G. R. and Baker, A. B.:  
Damage to the spinal cord and meninges following spinal anesthesia—a clinicopathological study. . . 102
- Kaplan, H. M.:  
An effective method for anesthetizing small animals. . . 93
- Kellogg, Kenneth and Parrett, Virgil:  
Residual effect of prolonged caudal anesthesia upon the neuromuscular system in dogs. . . 624
- Kelly, Michael:  
Pain in the chest: observations on the use of local anesthesia in its investigation and treatment. . . 535
- Klein, B. H.:  
Two hundred deliveries under low spinal anesthesia. . . 102
- Kleinberg, W., Remington, J. W., Eversole, W. J., Overman, R. R. and Swingle, W. W.:  
The effectiveness of plasma, gelatin and saline transfusions in preventing shock induced by leg muscle trauma and tourniquets. . . 530
- Krantz, J. C., Jr.:  
Recent advances in anesthesia. . . 325
- Krantz, J. C., Jr., Carr, C. J., Horney, A. G. and Evans, W. E., Jr.:  
Anesthesia: IX. The anesthetic action of isopropenyl vinyl ether. . . 416
- Krieg, E. G.:  
Control of postoperative pain. Application of cold to the operative site. . . 217
- Lawrence, J. W.:  
Barbiturate poisoning. . . 200
- Lee, J. A.:  
Serial spinal analgesia. . . 106
- Levinson, S. O., Janota, M., Weston, R. E. and Necheles, H.:  
Studies on the therapy of hemorrhagic shock: II. The effects of iso-osmotic and of concentrated serum and plasma in dehydrated dogs. . . 212
- Lorhan, P. H.:  
Continuous caudal anesthesia in obstetrics. . . 222
- Love, J. G. and Walsh, M. N.:  
Protruded intervertebral disks. . . 212
- Lozner, E. L. and Newhouser, L. R.:  
Studies on the transmissibility of malaria by plasma transfusions. . . 204
- Lull, C. B.:  
Some observations in the use of continuous caudal analgesia. . . 624
- Lull, C. B. and Ullery, J. C.:  
Cesarean section under continuous caudal analgesia: a preliminary report. . . 428
- Lundy, J. S., Adams, R. C. and Seldon, T. H.:  
Anesthesia today. . . 325  
Intravenous administration of an anesthetic agent: a comparison of the technic for robust patients and for patients in shock. . . 437

- Lyons, Harold and Hansen, F. M., Jr.:  
Continuous caudal anesthesia in 200  
obstetric patients..... 425
- Madan, K. E.:  
Fatalities under spinal anaesthesia.... 434  
Reflex cardiac inhibition under general  
anaesthesia..... 316
- Mahoney, E. B. and Howland, J. W.:  
Treatment of the severely burned patient  
with special reference to controlled pro-  
tein therapy..... 203
- Mahorner, Howard:  
Control of pain in posttraumatic and  
other vascular disturbances..... 548
- Mallinson, F. B.:  
Modern (non-volatile) anaesthesia. Ob-  
servations on 1000 cases..... 326  
New instrument for visual determination  
of blood-pressure. Part II. Clinical  
aspects..... 110
- Mantell, L. K. and McCuskey, C. F.:  
Anesthesia for military needs..... 635
- Marshall, S. V.:  
Further aspects of anaesthesia under  
wartime conditions..... 108
- Marston, A. D.:  
Safety factors in anaesthesia and anal-  
gesia..... 544
- Martin, S. J.:  
Anesthesia for thoracic surgery in the  
army..... 310  
Current considerations of the army anes-  
thesiologist..... 326
- Massie, F. M.:  
Amputation with refrigeration anesthesia 440
- McCormick, C. O., Huber, C. P., Spahr,  
J. F. and Gillespie, C. F.:  
An experience with one hundred cases of  
continuous caudal analgesia..... 622
- McCulloch, J. F.:  
Anaesthesia under wartime conditions.. 107  
Spinal anaesthesia in the Australian im-  
perial force: a report of 494 cases at 2/1  
Australian General Hospital..... 199
- McCuskey, C. F.:  
Anesthesia at the front..... 632
- McNearney, Joe:  
Continuous spinal anesthesia..... 314
- Miller, J. A.:  
Simplified method of continuous caudal  
analgesia in obstetrics..... 533
- Miller, S. D.:  
The explosion hazard in anesthesia.... 546
- Minnitt, R. J.:  
The history and progress of gas and air  
analgesia for midwifery..... 425
- Misner, S. E.:  
Postoperative anesthesia in dental sur-  
gery..... 637
- Moersch, H. J.:  
Bronchoscopy in the treatment of post-  
operative atelectasis..... 218
- Molony, C. J.:  
Postoperative pulmonary collapse in  
childhood..... 215
- Moon, L. E. and Christensen, J. B.:  
Caudal anesthesia: a report of 3,500 cases  
in 21 years of proctologic practice..... 223
- Morey, G. W.:  
Bloodless tonsillectomy under local an-  
esthesia..... 417
- Mueller, Lillian B.:  
Spinal anesthesia for cesarean section.. 629
- Murphy, F. C. and Postlethwait, R. W.:  
Novocain injection for minor injuries in  
the military service..... 217
- Murray, C. K., Hale, D. E. and Shaar,  
C. M.:  
The preparation and the use of red blood  
cell suspensions in treatment of anemia. 203
- Mushin, W. W.:  
A new circle type carbon dioxide ab-  
sorber..... 320
- Nammack, C. H. and Finck, Mary:  
Clinical study of one hundred and sixty-  
five cases in which sodium ethylal was  
used as an hypnotic and sedative..... 632
- Necheles, H., Levinson, S. O., Janota, M.,  
Weston, R. E. and Weissman, V.:  
Studies on the therapy of hemorrhagic  
shock. I. The effects of iso-osmotic and  
and of concentrated serum and plasma in  
normal dogs..... 211
- Nosworthy, Michael:  
A method of keeping anaesthetic records  
and assessing results..... 209
- O'Neil, E. E.:  
The use of refrigeration in amputations  
and peripheral vascular disease..... 532
- Pearman, R. O.:  
Intravenous use of morphine sulfate.... 97
- Peterson, O. L., Finland, Maxwell, Barnes,  
Mildred W. and Wilcox, Clare:  
Sulfonamide inhibiting action of procaine 536
- Phelps, K. A.:  
Foreign bodies lodged in the air or food  
passages..... 546
- Phillips, R. B.:  
Recent developments in intravenous an-  
esthesia..... 631
- Polderman, Hugo, McCarrell, Jane D. and  
Beecher, H. K.:  
Effect of anesthesia on lymph flow (local  
procaine, ether, pentobarbital sodium).. 111
- Post, L. T. and Robertson, E. N.:  
Intravenous pentothal sodium anesthesia  
in ophthalmology..... 224

- Presman, D. L., Janota, M., Weston, R. E., Levinson, S. O. and Necheles, H.:  
Intensive human serum treatment of burn shock and a modified formula for calculating the amount of infusion.... 211
- Price, H. J.:  
The relief of acute pleuritic pain by intercostal nerve block..... 318
- Randall, L. M.:  
Continuous caudal anesthesia in obstetrics..... 426
- Ray, B. S. and Marshall, V. F.:  
Convulsions during general anesthesia: report of twelve cases..... 201
- Richards, Victor:  
Refrigeration anesthesia in surgery..... 530
- Roberts, F. W. and Sellick, B. A.:  
Continuous administration of intravenous anaesthesia..... 436
- Rudder, F. F.:  
A mechanical aid for the administration of pentothal sodium intravenous anesthesia..... 436
- Sage, E. C.:  
The care of the parturient woman in relation to neonatal mortality..... 423
- Schumann, W. R.:  
Demerol (S-140) and scopolamine in labor: a study of 1000 cases..... 422
- Segal, M. S. and Aisner, Mark:  
The management of certain aspects of gas poisoning with particular reference to shock and pulmonary complications.. 547
- Simpson, C. M. and Bradfield, E. C.:  
Spinal anesthesia..... 629
- Smith, Angus:  
Convulsions under anaesthesia; treated by change of posture..... 547
- Southworth, J. L. and Hingson, R. A.:  
Continuous caudal analgesia in surgery.. 430
- Spitzer, Walter:  
Obstetric analgesia with pethidine.... 542
- Steinbrocker, Otto:  
Therapeutic injections in painful musculoskeletal disorders: with special reference to the saline-procaine test..... 641
- Stewart, R. A.:  
The use of naphthocaine as a local anesthetic in ophthalmology..... 535
- Suggs, W. D.:  
Cerebral and basal ganglia degeneration due to anoxia secondary to anesthesia—case report..... 112
- Tainter, M. L., Tainter, E. G., Lawrence, W. S., Neuru, E. N., Lackey, R. W., Luduena, F. P., Kirtland, H. B., Jr. and Gonzales, R. I.:  
Influence of various drugs on the threshold for electrical convulsions..... 315
- Taylor, N. B. and Moorhuse, Margaret S.:  
The use of isinglass as a blood substitute in hemorrhage and shock..... 221
- Thomas, G. J.:  
Pentothal sodium—range of usefulness, complications and their management... 537
- Torda, Clara:  
Effect of cocaine on the inactivation of epinephrine and sympathin..... 95  
Influence of low concentrations of cocaine on the metabolism of phenol..... 95
- Torpin, Richard:  
The care of the fetus during labor.... 423
- Trotter, Mildred and Letterman, G. S.:  
Variations of the female sacrum: their significance in continuous caudal anesthesia..... 626
- Tyson, R. M.:  
Immediate care of the newborn in relation to neonatal mortality..... 424
- Vaux, N. W. and Mitchell, R. M.:  
Influence of continuous caudal analgesia and anesthesia; on the blood loss during the third stage of labor..... 534
- Vessell, V. E.:  
Anaesthesia: from the patient's point of view..... 314
- Volpitto, P. P., Woodbury, R. A., Abreu, B. E. and Torpin, Richard:  
Continuous caudal analgesia in normal and complicated labor..... 433
- Wall, David:  
Continuous caudal anesthesia..... 628
- Walton, R. P.:  
Sublingual administration of drugs..... 418
- Wasserman, L. R. and Stats, D.:  
Clinical observations on the effect of 3,3'-Methylenebis (4-Hydroxycoumarin) 213
- Watson, T. P.:  
Post-spinal anaesthetic headache..... 199
- Wellman, I. Victoria, Kable, Vera N., and Livingstone, Huberta M.:  
Vinethene for dental anesthesia..... 317
- Williams, A. C. and Guralnick, W. C.:  
The diagnosis and treatment of Ludwig's angina..... 206
- White, J. C.:  
Pain after amputation and its treatment 621
- Wright, C. I. and Sabine, Jean C.:  
The inactivation of cholinesterase by morphine, dilaudid, codeine and desomorphine..... 98
- Zentgraf, L. P. and Eversole, U. H.:  
General anesthesia..... 98

## BOOKS REVIEWED

	PAGE		PAGE
Adams, R. Charles:		James, Norman R.:	
Intravenous anesthesia. New York and London, Paul B. Hoeber, Inc., 1944, 677 pp., 75 illustrations. Price, cloth \$12.00	523	Regional analgesia for intra-abdominal surgery with special reference to amethocaine hydrochloride. London, J. & A. Churchill Ltd., 1943, pp. 57, 27 illustrations. Price, cloth 6 s. ....	85
Barach, Alvan L.:		Subcommittee on Anesthesia of the Division of Medical Sciences, National Research Council:	
Principles and practices of inhalational therapy. Philadelphia, J. B. Lippincott Company, 1944, 315 pp., 59 illustrations. Price, fabrikoid \$4.00	523	Fundamentals of anesthesia: an outline. Chicago 10, Illinois, American Medical Association Press, 1944, 231 pp., 81 illustrations. Price, cloth \$2.50	410
Hewer, C. Langton:		Winter, Leo:	
Recent advances in anaesthesia and analgesia (including oxygen therapy). Philadelphia, Blakiston Company, 1943, pp. 341, 135 illustrations. Price, cloth \$5.50	85	Textbook of exodontia. St. Louis, C. V. Mosby Company, 1943, 576 pp., 492 illustrations. Price, cloth \$10.00	524

## TABLES, ILLUSTRATIONS, ETC.

	PAGE		PAGE
Table—Minimum voltage of static electricity to explode cyclopropane mixture.	34	Records—Cyclopropane anesthesia in patients with hemorrhage. ....	150, 151 152, 153
Table—Time required for Koller ion generator to discharge volts of electricity. ....	35	Table—Blood pressure, pulse pressure and pulse after hemorrhage, etc. ....	154
Table—Rate of discharge of static potential in the presence of radon. ....	37	Tracings—Blood pressure and pulse rate during cyclopropane anesthesia. ....	155
Table—Rate of discharge of static potential in the presence of radium. ....	37	Table—Hematocrit, plasma, specific gravity, etc. during cyclopropane anesthesia.	156
Table—Results with monocaïne spinal anesthesia. ....	42	Table—Concentrations of hemoglobin after ether and after pentothal anesthesia.	164
Sketch—Device for removing granules of absorbent from canisters. ....	47	Tables—Atelectasis during anesthesia	177, 179
Sketch—Correlation between color changes of indicator soda lime and carbon dioxide content of gases. ....	48	Table—Toxicity of paraldehyde. ....	183
Sketch—Cross section of canisters showing patterns of absorption. ....	49	Record—Blood pressure chart of patient intubated through one nostril. ....	186
Sketches—Laryngoscope blades. ....	62	Picture—Nasal tubes connected to Y-tube in pharynx. ....	187
Sketches—Cross section of laryngoscope blades. ....	63	Picture—Apparatus for reduction of two nasal tubes to gas machine. ....	188
Sketch—Laryngoscope blade in use. ....	63	Picture—X-ray picture of two tubes in position. ....	189
Sketch—Side view of laryngoscope blade. ....	64	Picture—Nasal tubes and Y-tube before assembly. ....	189
Sketch—Exposure of larynx with laryngoscope blade. ....	65	Record—Blood pressure chart of patient intubated through both nostrils. ....	190
Sketch—Position of patient for intubation. ....	66	Picture—Emergency cart. ....	196
Records—Spinal anesthesia in the therapy of pulmonary edema. ....	71, 72	Sketches—Position of cuff and diaphragm for taking blood pressure readings. ....	197
Pictures—Arm rest for patient during operation. ....	88, 89	Sketch—Mucus in lumen of bronchus. ....	227
Pictures—Kit for intravenous barbiturates. ....	90, 91	Sketch—Experimental demonstration of negative pressure in respiratory tract. ....	229
Tables—Deaths in the operating room. ....	116, 117 118, 124 126, 127	Table—Negative pressures in respiratory tract. ....	229
		Graphs—Negative pressures in respiratory tract. ....	230, 231



Sketch—Mucus in respiratory tract.....	232	Picture—Improved gas machine in war theater.....	414
Sketch—Steps in production of atelectasis.	233	Picture—Concurrent administration of pentothal and inhalation anesthesia.....	461
Graph—Positive pressure in respiratory tract.....	234	Pictures—Devices for administration of pentothal.....	462, 463
Tables—Preserved red cells after transfusion.....	243, 244	Picture—Continuous drop method of spinal anesthesia.....	466
	245	Record—Case record for continuous spinal anesthesia.....	467
Graphs—Percentage cell survival....	246, 247	Tables—Evaluation of local anesthetic solutions.....	472, 476
Sketch—Mechanism of Rh+ transfusion reaction.....	255		478, 481
Sketch—Rh factor in relation to mother and fetus.....	257		483, 484
Tables—Rh factor, heredity, anti-Rh sera.	259		486, 487
Tracings—Diffusion respiration in the dog.	264, 266		488
Graphs—Analysis of inhalation anesthesia	276, 280	Graph—Effect of local anesthetics.....	474
	281, 283	Pictures—X-rays showing needle in stellate ganglion block.....	492, 493
Table—Toxicity of paraldehyde.....	288	Table—Analysis of propethylene solutions	496
Table—Anesthetic properties of volatile anesthetics.....	292	Graphs—Oil/water coefficient of propethylene.....	497, 498
Picture—Visible ampules.....	303	Table—Intercostal block with long-acting anesthetic.....	504
Table—Tolerance to evipal.....	330	Picture—Putting inflatable cuff on intratracheal tube.....	526
Tracings—Tolerance to evipal, effect on respiration and on blood pressure..	332, 333	Sketch—Device for preventing interchange of gas cylinders.....	527
Table—Tolerance to pentothal and to nosteral.....	334	Title page—Joseph Priestley's Experiments and observations on air.....	552
Table—Cross tolerance to barbiturates...	335	Title page—Humphry Davy's Researches concerning nitrous oxide.....	554
Table—Survival time of nosteral tolerant dogs.....	337	Title page—Henry Hickman's letter on suspended animation.....	555
Picture—Position of patient for injection of ammonium salts.....	343	Photograph—Gardner Quincy Colton...	557
Photomicrographs—Spinal cord level syndrome.....	348, 349	Facsimile—Colton Dental Association publication.....	559
	350, 351	Facsimile—Colton Dental Association—list of addresses.....	560
Table—Ammonium sulfate therapy.....	355	Photograph—Thomas W. Evans.....	561
Record—Study of inhalation therapy.....	360	Sketch—Clover's inhaler.....	562
Tables—Study of inhalation therapy	360, 361	Sketch—Paul Bert's portable operating room.....	564
	362, 363	Pictures—Wound healing by blood cells..	569, 570
	364, 365		571
	366, 367	Chart—Skin temperature changes.....	579
	369	Chart—Sensory changes in the skin.....	580
Record—Inhalation therapy study chart..	368	Table—Code for classification of nerve blocks.....	581
Tables—Clinical use of vinbarbital sodium	373, 374	Graphs—Effects of anesthesia on chick hearts.....	592, 593
	375, 376	Enterographs—Effects of anesthetics on muscles of colon.....	599, 600
	377		601
Drawings—Apparatus and method of administering ether in the tropics.....	381	Tables—Local anesthetic-sulfonamide antagonism.....	608, 609
Tables—Respiratory sequelae of anesthesia	384, 385		610, 611
	386		
Drawings—Naso-endotracheal intubation.	395, 396		
	397, 398		
Picture—Intravenous anesthesia by continuous drip.....	411		
Sketch—Directional spinal anesthesia needle.....	413		

## MISCELLANY

	PAGE		PAGE
American Board of Anesthesiology, Inc.		Anesthesiology	
Coming examinations.....	44, 173	Bindings for.....	68, 181
.....	236, 604	.....	303, 369
New Rulings for Examinations.....	573	Subscription to.....	507, 616
Questions for examinations.....	290, 295	Award of Bronze Star.....	52
.....	406, 410	Blood plasma	617
.....	464, 490	Available in Michigan.....	286
American Medical Association		Case reports.....	87, 300
Election of officers.....	499	.....	412, 526
Section on anesthesiology meeting..	10, 148	Correspondence.....	87, 299
.....	261, 469, 588	Current Comment.....	87, 195
American Society of Anesthetists, Inc.		.....	300, 411
Application for membership.....		.....	526, 618
No. 1, xix, No. 2, xix		Directory of Medical Specialists.....	60, 353
No. 3, xix, No. 5, xix		Gwathmey	
Chairman of committees.....	39, 191	Memorial.....	296
Election of officers.....	32	Hickman Medal.....	358
Essay contest.....	253	Horace Wells Centennial Celebration Pro-	
Meeting.....	21, 141	gram.....	619
.....	447, 617	Kellogg Foundation grants.....	198
New York State Section		Michigan	
Officers.....	382	Blood plasma available.....	286
Officers.....	No. 1, xx, No. 2, xx	U. S. Army Medical Department	
.....	No. 3, xx, No. 4, xix	Extract from Bulletin.....	273
.....	No. 5, xx		

